#### PATENT APPLICATION

111311

Docket No.:

In re the Application of

Hideto OKAHARA et al.

Application No.: 09/940,797 /

Filed: August 29, 2001

AUTOMOTIVE GENERATOR CONTROL APPARATUS

Hawkins
2/26/02

### SUBMISSION OF POWER OF ATTORNEY BY ASSIGNEE

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Director of the U.S. Patent and Trademark Office Washington, D.C. 20231

Sir:

For:

Enclosed is a Power of Attorney by Assignee to be made of record in the aboveidentified application.

In the event of any nonpayment or improper payment of a required fee, the Director is authorized to charge or to credit OLIFF & BERRIDGE, PLC Deposit Account No. 15-0461 as required to correct the error.

Respectfully submitted,

James A. Oliff

Registration No. 27,075

Thomas J. Pardini

Registration No. 30,411

JAO:TJP/kaw

Date: February 15, 2002

OLIFF & BERRIDGE, PLC P.O. Box 19928 Alexandria, Virginia 22320 Telephone: (703) 836-6400

DEPOSIT ACCOUNT USE **AUTHORIZATION** Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461



#### **POWER OF ATTORNEY BY ASSIGNEE**

Director of the U.S. Patent and Trademark Office Washington, D.C. 20231

Sir:

Dense Corporation is the Assignee of the entire right, title and interest in the patent applications identified in the attached Appendix A by virtue of Assignments recorded at the locations identified in the Appendix. Additionally, Dense Corporation is the Assignee of the entire right, title and interest in the following seven patent applications for which Assignments have been filed, but the original Assignments, indicating the dates and reel and frame numbers of recordation, have not yet been returned:

U.S. Patent Application No.	<u>Filed</u>	Inventors
09/879,035	June 13, 2001	Hironao YAMAGUCHI
09/885,163	June 21, 2001	Keiji TAKAHASHI et al.
09/912,301	July 26, 2001	Nakato MURATA et al.
09/918,826	August 1, 2001	Masami NIIMI et al.
09/922,691	August 7, 2001	Tadatoshi ASADA
09/903,494	July 13, 2001	Naoto IWATA et al.
09/873,410	June 5, 2001	Shigenobu NAKAMURA

Copies of the Recordation Cover Sheets and executed Assignments as filed for these applications are attached hereto.

The undersigned is authorized to act on behalf of Denso Corporation; has reviewed the evidentiary documents in the chain of title; and certifies that to the best of the Assignce's knowledge and belief, title is in the Assignee.

Denso Corporation hereby revokes all prior powers of attorney and appoints the following as attorneys of record with full power of substitution and revocation to prosecute this

application and all continuations and divisions thereof; and to transact all business in the Patent and Trademark Office:

James A. Oliff, Registration No. 27,075;
William P. Berridge, Registration No. 30,024;
Kirk M. Hudson, Registration No. 27,562;
Thomas J. Pardini, Registration No. 30,411;
Edward P. Walker, Registration No. 31,450;
Robert A. Miller, Registration No. 32,771;
Mario A. Costantino, Registration No. 33,565;
Stephen J. Roe, Registration No. 34,463;
Joel S. Armstrong, Registration No. 36,430;
Christopher W. Brown, Registration No. 38,025;
Richard E. Rice, Registration No. 31,560; and
Paul Tsou, Registration No. 37,956.

ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD BE SENT TO OLIFF & BERRIDGE, PLC, P.O. BOX 19928, ALEXANDRIA, VIRGINIA 22320. TELEPHONE: (703) 836-6400.

Febru	ny	14,	2002
Date	1		

Signature

Typed Name: Masashi Kamiya

Title: General Manager



### APPENDIX A

& TRI	ADER		
U.S. Patent Application Serial No.	Filed	Oliff & Berridge, PLC Docket No.	Reel/Frame No.
09/538,983	March 30, 2000	111267	010661/0135
09/758,169	January 12, 2001	111277	011460/0868
09/777,699	February 7, 2001	111281	011540/0141
09/788,426	February 21, 2001	111282	011558/0650
09/837,382.	April 19, 2001	111287	011706/0632
09/849,274	May 7, 2001	111290	011784/0710
09/878,247	June 12, 2001	111291	011900/0317
09/883,204	June 19, 2001	111293	011917/0398
09/883,205	June 19, 2001	111294	011916/0601
09/899,054	July 6, 2001	111297	011965/0421
09/935,695	August 24, 2001	111307	012120/0029
09/940,648	August 29, 2001	111310	012126/0801
09/940,797	August 29, 2001	111311	012126/0951
09/948,581	September 10, 2001	111313	012163/0692
09/949,753	September 12, 2001	111314	012163/0229
09/950,057	September 12, 2001	111315	012201/0554
09/808,364	March 15, 2001	111316	011612/0898
09/935 <b>,</b> 696	August 24, 2001	111318	012120/0318
09/599,422	June 22, 2000	111327	010896/0961
09/803,979	March 13, 2001	111332	011603/0287
09/960,735	September 24, 2001	111334	012206/0462

• • •				
	U.S. Patent Application Seris No.	al <u>Filed</u>	Oliff & Berridge, PLC Docket No.	Reel/Frame No.
	09/521,604	March 9, 2000	111336	010631/0795
	09/574,451	May 19, 2000	111337	010816/0493
	09/891,349	June 27, 2001	111344	012241/0693
	09/773,262	February 1, 2001	111348	012238/0216

	RECORDATION FOR	IS & PATENTS ONLY		OK TRADEWARKS	
TO THE ASSISTANT COMMISSIONER OF PATENTS AND TRADEMARKS: SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.					
1. NAME OF CONVEYING PART					
1. Hironao YAMAGUCHI		2.		١٠٠٠ سنة ١٩٠٠ م	
3.		4.	🗸 💆	1	
5. 7.		6.			
ADDITIONAL NAME(S) OF CON	IVEYING PARTY(IES) ATTACHE	8. D? □YES □NO			
2. PARTY(IES) (ASSIGNEE(S))	RECEIVING INTEREST:				
NAME: DENSO CORPORATION	1				
ADDRESS: 1-1, Showa-cho, Kar	iya-city, Aichi-pref., 448-8661 JA	PAN			
ADDITIONAL NAME(S) & ADDR	ESS(ES) ATTACHED? YES	⊠NO			
3. NATURE OF CONVEYANCE					
(Submit herewith only one do	cument for recordation—multiple	copies of same Assignm	nent signed by differer	nt inventors is one	
document)	_				
· —	WHOLE □PART INTER	REST EXEC. [	OATE: June 1, 2001		
	FACSIMILE/PHOTOCOPY				
SECURITY MERGER	☐VERIFIED TRANSLATION ☐OTHER:	<u> </u>			
	DECLARATION IF FILED HERE	MITH MOTE IE DATE	S ON DECLADATION	AND	
ASSIGNMENT DIFFER SEE AT	TYI) June 1 2001	WITH (NOTE II DATE	3 ON DECLARATION	AND	
	S). OTHERS ON ADDITIONAL S	SHEET(S) attached2	YES NO		
A PAT APP NO.(S) M# series code/serial no	1º INVENTOR	B.PATENT NO(S)	M# 1522-25 (1)	1st INVENTOR	
NEW APPLICATION 28138		miner kayanan erep. "Oz jakin oʻji oʻji a jijoo isa	See Taken Graffs align the process to the and the first light to		
5. Name & Address of Party to		6. NUMBER INVOLV	/ED:		
Concerning Document Shoul	d be Mailed:	APPLNS 1 + PAT	$S \underline{0} = TOTAL$	<u>1</u> .	
Pillsbury Winthrop LLP	·	7. AMOUNT OF FEE	ENCLOSED: (Code 5	81)	
Intellectual Property Group		ABOVE TOTAL x \$		,	
1100 New York Avenue, NW					
Ninth Floor	10				
Washington, DC 20005-3918		0 IE 400\/E EEE 10.14	IOONIO OD INADEGUA	TE OUADOE	
5.5 ATTY DKT:		8. IF ABOVE FEE IS M	DEPOSIT ACCOUNT N		
P 281387	30954	UNDER ORDER NO	30954	281387	
MATTER NO.	CLIENT REF.	dup. sheet not required	CLIENT NO.	MATTER NO.	
				•	
9.					
		10. Total number of pa	ages including this		
	, 	cover sheet, attachme	nts and document	2	
Vent 1	over	(do not file dup. Cover	sheet)		
Signatu	re				
Attorney: Paul T. Bowen		•			
Reg. No. 38009		Date: <u>June 13, 200</u>			
Atty/Sec: PTB/mjb	TEL: (202) 861-3014	FAX: (202) 8	22-0944		



Inventions made outside USA

executed with or after application

Atty. Dkt. PW | 56600-US-AK/nh

Pillsbury Winthrop LLP Intellectual Property Group 1100 New York Avenue, NW Ninth Floor Washington, DC 20005-3918

USA Patent Appln. Sole or Joint M# Client Ref.

**NONPROVISIONAL** 

## ASSIGNMENT OF NONPROVISIONAL APPLICATION

the undersigned,	In consideration of the sum of Ten Dollars (\$10.00 to wit:	o) and other good and val	uable consideration paid to each of				
INSERT	(1) Hironao YAMAGUCHI	(2)					
NAME(S) OF	(3)	(4)					
INVENTOR(S)	(5)		x box if continued on page 2				
	(9)		x box ii continued on page 2				
the receipt and s and transfer(s) u	ufficiency of which are hereby acknowledged by th nto:	e undersigned who at the	request of, hereby sell(s), assign(s)				
INSERT	DENSO CORPORATION						
NAME(S) OF		1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661 Japan					
ASSIGNEE(S)	The state of the s	oo r dapari					
& ADDRESS(ES)	•		:				
, ,							
any and all divisions, c	A "ASSIGNEE") the entire right, title and interest for the United States ontinuations, substitutes, and reissues thereof; and all resulting paten	of America as defined in 35 U.S.C. ts, known as	100, in the invention and all applications including				
TITLE OF INVENTION	TRANSFORMER DEVICE, HIGH-VOLTAGE	GENERATING APPARA	TUS				
	HAVING THE SAME, AND LIGHTING SYST	EM HAVING THEM					
NOTE → → (Complete	for which the undersigned executed an application (A)  even date herewith (B)  on						
line A, B and/or (	C) (C) in U.S. Appln. No.	filed _					
hereinafter act on beh	AND the undersigned hereby authorize(s) and request(s) the Unite interest as ASSIGNEE, its successors, assigns and legals represental of said ASSIGNEE;  AND the undersigned hereby agree(s) to testify and execute any page to ASSIGNEE'S full protection and title in and to the invention here are undersigned hereby authorize(s) Pillsbury Winthrop LLP of the undersigned hereby agree(s) and request(s) and request(s) and request(s) are signed hereby agree(s).	tatives; the undersigned agree(s) the apers for ASSIGNEE, its successor by transferred.	at the attorney of record in said application shall s, assigns and legal representatives, deemed				
	ENTORS	DATE SIGNED	WITNESSES				
1):	<i>Hironao Yamaguchi</i> onao YAMAGUCHI	June 1, 2001	Yoshitaka Sata				
	onao YAMAGUCHI						
2)							
Name:							
3)							
Name:							
4)							
Name:							
5)		<del></del>					
Name:	<del></del>						

BOX ASSIGNMENTS /			• DO NOT USE	FOR TRADEMAR	KS
	RECORDATION SPATENT APPLICA	FORM COVER SHEET. TIONS & PATENTS ONLY	5000年,1980年,1980年	<b>美国的</b>	
TO THE ASSISTANT COMMISSIR: PLEASE RECORD THE	SIONERSOF PATENTS AND	TRADEMARKS.		• •	<u>an sergi</u>
1. NAME OF CONVEYING PAR	RTY(IES) (ASSIGNORS(S)):		1		
1. Keiji TAKAHASHI	( )/( )	2. Toshinori MARUYA	MA Lan	1-1-1-1-1	
3. Makoto TANIGUCHI		4.			i
5.		6.			
7.		8.			
ADDITIONAL NAME(S) OF CO	NVEYING PARTY/IES) ATTA	THEDS TIVES MINO	•		
2. PARTY(IES) (ASSIGNEE(S)		OUED: TIES MINO		٠	
NAME: DENSO CORPORATION	NECEIVING INTEREST.	<del></del>			
NAME. DENSO CORPORATIO	//N				
ADDRESS: 1-1 Showa-cho, Ka	riya-city, Aichi-pref., 448-8661	JAPAN			
ADDITIONAL NAME(S) & ADD	RESS(ES) ATTACHED?	ES MNO	•		
3. NATURE OF CONVEYANCE	E (DOCUMENT)	20 2410	<del></del>		
(Submit herewith only one didocument)	locument for recordation—mult	iple copies of same Assign	ment signed by differe	ent inventors is one	e i
⊠ASSIGNMENT OF		TEREST FXEC	DATE: May 31, 2001	<del></del>	
ORIGINAL	FACSIMILE/PHOTOCOP		DATE: May 51, 2001		
CHANGE OF NAME	VERIFIED TRANSLATION				
SECURITY MERGER				<del></del>	
		DEMOTIL MARTINES			
EXECUTION DATE(S) ON THE	TOUR MAN 24 COOK	REWITH: ( <u>NOTE</u> : IF DATE	S ON DECLARATIO	N AND	
ASSIGNMENT DIFFER SEE A	1 TY!) May 31, 2001				
4.5 APPL. NO.(S) OR PAT NO.	(S). OTHERS ON ADDITIONA	AL SHEET(S) attached?	]YES ⊠NO		
A PAT. APP. NO.(S) M#	1º INVENTOR	B. PATENT NO(S)	M# 24 1 (S. P. P. C. )	15 INVENTOR	超巡
series code/serial no	at not in item 1.			if not in item 1	
NEW APPLICATION 2811	74				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
5. Name & Address of Party to	Whom Correspondence	6. NUMBER INVOL	VED:		
Concerning Document Shou	ıld be Mailed:	APPLNS 1 + PAT		1	
_					
Pillsbury Winthrop LLP		7. AMOUNT OF FEE		581)	1
Intellectual Property Group		ABOVE TOTAL x \$	340 <b>= \$</b> 40		
1600 Tysons Boulevard					
McLean, VA 22102					
5.5 ATTY DKT:		8. IF ABOVE FEE IS M	IISSING OR INADEQUA	ATE CHARGE	
D 004474	1	INSUFFICIENCY TO	DEPOSIT ACCOUNT	NUMBER: 03-3975	
P 281174	56656-US-SuS/sm	UNDER ORDER NO	30954	281174	
MATTER NO.	CLIENT REF.	dup, sheet not required	CLIENT NO.	MATTER NO.	
					_
9.				· · · · · · · · · · · · · · · · · · ·	
		10 Total			
$\Omega$ $\Omega$		10. Total number of pa			ı
XI Da.		cover sheet, attachme		2	
- jame you		(do not file dup. Cover	sheet)		
Signatu	re	-			- 3
Attorney: Paul T. Bowen					
Reg. No. 38009		Date: June 21, 200	1		
Atty/Sec: PTB/mib	TEL: (703) 905-2020	EAY: (703) 00			

Pillsbury Winthrop LLP Intellectual Property Group 1100 New York Avenue, NW Ninth Floor Washington, DC 20005-3918

USA Patent Appln. Sole or Joint For Inventions made outside USA

<u>executed with or after application</u>

Atty. Dkt. PW 56656-US

M#

Client Ref.

COPY

NONPROVISIONAL

# ASSIGNMENT OF NONPROVISIONAL APPLICATION

the undersig	In consideration of the sum of Ten Dollars (\$10.0 gned, to wit:	0) and other good and va	luable consideration paid to each of
INSERT NAME(S) OF INVENTOR(S		(2) (4)	Toshinori MARUYAMA x box if continued on page 2
the receipt a and transfer	and sufficiency of which are hereby acknowledged by the (s) unto:	e undersigned who at the	e request of, hereby sell(s), assign(s)
INSERT NAME(S) OF ASSIGNEE(S & ADDRESS	5) 1-1 Showa-cho, Kariya-city		
(hereinafter designany and all divisi	gnated "ASSIGNEE") the entire right, title and interest for the United States ions, continuations, substitutes, and reissues thereof, and all resulting pater	of America as defined in 35 U.S.C. ts, known as	100, in the invention and all applications including
TITLE OF INVENTION	VOLTAGE REGULATOR OF VEHI	CLE AC GENERATOR	
NOTE → → (Complete	for which the undersigned executed an applic  (A)  even date herewith  (B)  on	ation for Letters Patents o	of the United States of America:
line A, B and	l/or C) (C) in U.S. Appln. No. /	filed _	
merchianter det d	AND the undersigned hereby authorize(s) and request(s) the Unite for its interest as ASSIGNEE, its successors, assigns and legals represent in behalf of said ASSIGNEE;  AND the undersigned hereby agree(s) to testify and execute any pastignee to ASSIGNEE'S full protection and title in and to the invention hereby. The undersigned hereby authorize(s) Pillsbury Winthrop LLP of the successor.	atives; the undersigned agree(s) the spers for ASSIGNEE, its successors to transferred	at the attorney of record in said application shall s, assigns and legal representatives, deemed
1):	<u>INVENTORS</u> Keiji TAKAHASHI	DATE SIGNED May/31/200/	WITNESSES Heroshi'slahida
Name: 2) Name:	Keiji TAKAHASHI Toshinori Maruyama Toshinori MARUYAMA	May/31/2001	Idnoshi Mahida
3)	Mahoto Janiguchi	may /31/200/	Herosh Shida
Name:	Makoto TANIGUCHI	, , ,	•

O1 F	° E vo.		•		
BOX ASSIGNMENTS		-		DO NOT USE	FOR TRADEMARKS
	RECORDATION FO	NS & PATENT			
TO THE ASSISTANT COMMISS SIR: PLEASE RECORD THE AT	SIONER OF PATENTS AND TRA	ADEMARKS: NTS OR COPY	THERE	OF.	- 4
1. NAME OF CONVEYING PAR				p. p.	1 m m m m
Nakato MURATA     Tsutomu SHIGA	!	2. Yoshiki TA 4.	.N		/ im = 4
5. Isutoniu Sniga		6.			
7.		8.			
ADDITIONAL NAME(S) OF COM	IVEYING PARTY(IES) ATTACH	ED? TYES	⊠νο		χ.
2. PARTY(IES) (ASSIGNEE(S))					
NAME: DENSO CORPORATION	1				
ADDRESS: 1-1, Showa-cho, Kar	riya-city, Aichi-pref., 448-8661 JA	PAN			
ADDITIONAL NAME(S) & ADDR	RESS(ES) ATTACHED? YES	⊠NO	<u> </u>		
3. NATURE OF CONVEYANCE	(DOCUMENT):				
(Submit herewith only one do document)	ocument for recordation—multiple	copies of sam	e Assign	ment signed by differe	ent inventors is one
·		REST	EXEC.	DATE: (1 & 2) Ju	uly 12, 2001 and
⊠ORIGINAL	FACSIMILE/PHOTOCOPY	1			uly 13, 2001
CHANGE OF NAME	VERIFIED TRANSLATION		L		
SECURITY MERGER	OTHER:  DECLARATION IF FILED HERE	NATH /NOTE	IE DATE	S ON DECLARATIO	NI AND
ASSIGNMENT DIFFER SEE AT	TY!) (1 & 2) July 12, 2001 and (3	3) July 13, 2001	IF DATE	19 ON DECLARATION	N ANU
4.5 APPL. NO.(S) OR PAT NO.(	S). OTHERS ON ADDITIONAL S	SHEET(S) attack		JYES ⊠NO	
A. PAT. APP. NO.(S) M# series code/serial no	1. INVENTOR if not in item 1	B. PATENT I	NO(S)	M#	1st INVENTOR
NEW APPLICATION 02827		<b>经验证的证明</b>	dy A 1995	<b>强强的政治。在1990年度1990年</b>	If not in item 1
5. Name & Address of Party to \		6. NUMBER	RINVOL	.VED:	
Concerning Document Should		1		rs <u>o</u> = total	<u>1</u>
Pillsbury Winthrop LLP		7. AMOUNT	OF FEE	ENCLOSED: (Code 5	581)
Intellectual Property Group				\$40 = \$40	
1600 Tysons Boulevard					
McLean, VA 22102					
5.5ATTY DKT:				MISSING OR INADEQUA	
D 0000704	57000 HO 0000/mls	INSUFFICI	ENCY TO	DEPOSIT ACCOUNT	NUMBER: 03-3975
P 0282704 MATTER NO.	57062-US-SuS/mk CLIENT REF.	UNDER ORD dup. sheet not		030954 CLIENT NO.	0282704
IVIATILIATIO.	OLIENI NET.	dup. sincer nor	required	CLIENT NO.	MATTER NO.
9.					
	!			ages <u>including</u> this	T
	!			ents and document	2
Cianahu	<del></del>	(do not file du	ıp. Cove	r sheet)	
Signatur Attorney: Paul T. Bowen	e .				
Reg. No. 38009		- Date: July	26, 2001	1	
Atty/Sec: PTB/tel	TEL: (703) 905-2020	- <del></del>		05-2500	

Pillsbury Winthrop LLP 1600 Tysons Boulevard McLean VA 22102 executed wi Atty. Dkt. PW

executed with or after application

Dkt. PW M#

Client Ref.

4706. 15

#### NONPROVISIONAL

# ASSIGNMENT OF NONPROVISIONAL APPLICATION

USA Patent Appln.

Sole or Joint

the undersigne	In consideration of the sum of Ten Dollars (\$10.0) d, to wit:	)) and other good and valuable consideration paid to each o	of
INSERT NAME(S) OF INVENTOR(S)	(1) Nakato Murata (3) Tsutomu Shiga (5)	(2) Yoshiki Tan (4)  x box if continued on page 2	
the receipt and and transfer(s)	sufficiency of which are hereby acknowledged by th unto:	e undersigned who at the request of, hereby sell(s), assign	ı(s)
INSERT NAME(S) OF ASSIGNEE(S) & ADDRESS(ES	DENSO CORPORATION 1-1, SHOWA-CHO, KARIYA-CITY, AICHI-PR	EF., 448-8661 JAPAN	
(hereinafter designations and all divisions	ed "ASSIGNEE") the entire right, title and interest for the United States continuations, substitutes, and reissues thereof; and all resulting paten	of America as defined in 35 U.S.C. 100, in the invention and all applications inclus, known as	iding
TITLE OF INVENTION	BRUSH-LESS ROTARY ELECTRIC MACHIN	E HAVING STATOR COOLING ARRANGEMENT	
NOTE → → (Complete line A, B and/or	(A) ⊠ even date herewith  (B) ☐ on  C) (C) ☐ in U.S. Appln. No. /  AND the undersigned hereby authorize(s) and request(s) the United	ation for Letters Patents of the United States of America:  filed  States Commissioner of Patents and Trademarks to issue said Letters Patent to	o the
nereinafter act on be	thalf of said ASSIGNEE;  AND the undersigned hereby agree(s) to testify and execute any pa EE to ASSIGNEE'S full protection and title in and to the invention hereb The undersigned hereby authorize(s) Pillsbury Winthrop LLP of the	atives; the undersigned agree(s) that the attorney of record in said application shapers for ASSIGNEE, its successors, assigns and legal representatives, deemed a transferred.  The transferred is to insert hereon any further identification necessary or desirable for the transferred in the transferred.	
1): Name: Na 2) Name: Yo	Kato Murata  Yeshihi Jan  shiki Tan	DATE SIGNED  July 12, 2001	
3) Name: Ts 4) Name: 5) Name:	Sentomu Lluga utomu Shiga	July 13.200 Hroshi Seh	.da 

011	PE			
BOX ASSIGNMENTS /	8		DO NOT USE	FOR TRADEMARKS
	RECORDATION FO	ONS & PATENTS ONLY		
	SIONER OF PATENTS AND TRA		OF.	
1. NAME OF CONVEYING PAR				
Masami NIIMI		2. Hideki ICHIKAWA		
3. Masahiro KATOH		4.		
5.		6.		,
7. ADDITIONAL NAME(S) OF CO	NVEYING PARTY(IES) ATTACHE	8. ED? □YES ⊠NO		
2. PARTY(IES) (ASSIGNEE(S))				
NAME: DENSO CORPORATION	N			
ADDRESS: 1-1, Showa-cho, Ka	nriya-city, Aichi-pref., 448-8661 JA	APAN		
	RESS(ES) ATTACHED? YES	⊠NO		,
3. NATURE OF CONVEYANCE	E (DOCUMENT):			
document)	ocument for recordation—multiple			ent inventors is one
	WHOLE □PART INTER	REST EXEC.	\ \ \ \ . = -	ine 5, 2001
⊠ORIGINAL	FACSIMILE/PHOTOCOPY		(2) Ju	ine 11, 2001
CHANGE OF NAME	VERIFIED TRANSLATION		(3) Ju	ıne 6, 2001
SECURITY MERGER EXECUTION DATE(S) ON THE	OTHER:  DECLARATION IF FILED HERE	NAITH (NOTE IF DATE	S ON DECLARATION	N AND
ASSIGNMENT DIFFER SEE AT	TY!) (1) June 5, 2001; (2) June	11, 2001; (3) June 6, 2		1 AND
4.5 APPL. NO.(S) OR PAT NO.(	(S). OTHERS ON ADDITIONAL S	SHEET(S) attached?	YES ⊠NO	
A. PAT. APP. NO.(S) M# series code/serial no			M#	1st INVENTOR  If not in item 1
NEW APPLICATION 02815	512			
<ol> <li>Name &amp; Address of Party to Concerning Document Shoul</li> </ol>		6. NUMBER INVOLY APPLNS 1 + PAT	. —	1
Pillsbury Winthrop LLP	<b></b>	. ,		
P111×114:10 v v · · · · · · · · · · · · · · · · ·				
	· .	7. AMOUNT OF FEE	ENCLOSED: (Code 5	
Intellectual Property Group			ENCLOSED: (Code 5	
		7. AMOUNT OF FEE	ENCLOSED: (Code 5	
Intellectual Property Group 1600 Tysons Boulevard		7. AMOUNT OF FEE ABOVE TOTAL x \$	ENCLOSED: (Code 5 \$40 = \$40 MISSING OR INADEQUA	581) ATE CHARGE
Intellectual Property Group 1600 Tysons Boulevard McLean, VA 22102 5.5ATTY DKT:		7. AMOUNT OF FEE ABOVE TOTAL x \$  8. IF ABOVE FEE IS MINSUFFICIENCY TO	ENCLOSED: (Code 5 \$40 = \$40 MISSING OR INADEQUA DEPOSIT ACCOUNT N	ATE CHARGE NUMBER: 03-3975
Intellectual Property Group 1600 Tysons Boulevard McLean, VA 22102 5.5ATTY DKT: P 0281512	57168-US-MRB/nh	7. AMOUNT OF FEE ABOVE TOTAL x \$ 8. IF ABOVE FEE IS M INSUFFICIENCY TO UNDER ORDER NO	ENCLOSED: (Code 5) \$40 = \$40  AISSING OR INADEQUAD DEPOSIT ACCOUNT N	ATE CHARGE NUMBER: 03-3975 0281512
Intellectual Property Group 1600 Tysons Boulevard McLean, VA 22102 5.5ATTY DKT:		7. AMOUNT OF FEE ABOVE TOTAL x \$  8. IF ABOVE FEE IS MINSUFFICIENCY TO	ENCLOSED: (Code 5 \$40 = \$40 MISSING OR INADEQUA DEPOSIT ACCOUNT N	ATE CHARGE NUMBER: 03-3975
Intellectual Property Group 1600 Tysons Boulevard McLean, VA 22102 5.5ATTY DKT: P 0281512	57168-US-MRB/nh	7. AMOUNT OF FEE ABOVE TOTAL x \$ 8. IF ABOVE FEE IS M INSUFFICIENCY TO UNDER ORDER NO	ENCLOSED: (Code 5) \$40 = \$40  AISSING OR INADEQUAD DEPOSIT ACCOUNT N	ATE CHARGE NUMBER: 03-3975 0281512
Intellectual Property Group 1600 Tysons Boulevard McLean, VA 22102 5.5ATTY DKT: P 0281512 MATTER NO.	57168-US-MRB/nh	7. AMOUNT OF FEE ABOVE TOTAL x \$ 8. IF ABOVE FEE IS M INSUFFICIENCY TO UNDER ORDER NO	ENCLOSED: (Code 5) \$40 = \$40  AISSING OR INADEQUAD DEPOSIT ACCOUNT N	ATE CHARGE NUMBER: 03-3975 0281512
Intellectual Property Group 1600 Tysons Boulevard McLean, VA 22102 5.5ATTY DKT: P 0281512	57168-US-MRB/nh	7. AMOUNT OF FEE ABOVE TOTAL x \$  8. IF ABOVE FEE IS M INSUFFICIENCY TO UNDER ORDER NO dup. sheet not required	ENCLOSED: (Code 5) \$40 = \$40  MISSING OR INADEQUA DEPOSIT ACCOUNT N 030954 CLIENT NO.	ATE CHARGE NUMBER: 03-3975 0281512
Intellectual Property Group 1600 Tysons Boulevard McLean, VA 22102 5.5ATTY DKT: P 0281512 MATTER NO.	57168-US-MRB/nh	7. AMOUNT OF FEE ABOVE TOTAL x \$  8. IF ABOVE FEE IS M INSUFFICIENCY TO UNDER ORDER NO dup. sheet not required	ENCLOSED: (Code 5) \$40 = \$40  MISSING OR INADEQUA DEPOSIT ACCOUNT N 030954 CLIENT NO.	ATE CHARGE NUMBER: 03-3975 0281512 MATTER NO.
Intellectual Property Group 1600 Tysons Boulevard McLean, VA 22102 5.5ATTY DKT: P 0281512 MATTER NO.	57168-US-MRB/nh	7. AMOUNT OF FEE ABOVE TOTAL x \$  8. IF ABOVE FEE IS M INSUFFICIENCY TO UNDER ORDER NO dup. sheet not required  10. Total number of pacover sheet, attachme	ENCLOSED: (Code 5 \$40 = \$40  MISSING OR INADEQUAD DEPOSIT ACCOUNT NO. 030954  CLIENT NO. client and document	ATE CHARGE NUMBER: 03-3975 0281512
Intellectual Property Group 1600 Tysons Boulevard McLean, VA 22102 5.5ATTY DKT: P 0281512 MATTER NO.	57168-US-MRB/nh CLIENT REF.	7. AMOUNT OF FEE ABOVE TOTAL x \$  8. IF ABOVE FEE IS M INSUFFICIENCY TO UNDER ORDER NO dup. sheet not required	ENCLOSED: (Code 5 \$40 = \$40  MISSING OR INADEQUAD DEPOSIT ACCOUNT NO. 030954  CLIENT NO. client and document	ATE CHARGE NUMBER: 03-3975 0281512 MATTER NO.
Intellectual Property Group 1600 Tysons Boulevard McLean, VA 22102 5.5ATTY DKT: P 0281512 MATTER NO.  9. Signatur	57168-US-MRB/nh CLIENT REF.	7. AMOUNT OF FEE ABOVE TOTAL x \$  8. IF ABOVE FEE IS M INSUFFICIENCY TO UNDER ORDER NO dup. sheet not required  10. Total number of pacover sheet, attachme	ENCLOSED: (Code 5 \$40 = \$40  MISSING OR INADEQUAD DEPOSIT ACCOUNT NO. 030954  CLIENT NO. client and document	ATE CHARGE NUMBER: 03-3975 0281512 MATTER NO.
Intellectual Property Group 1600 Tysons Boulevard McLean, VA 22102 5.5ATTY DKT: P 0281512 MATTER NO.	57168-US-MRB/nh CLIENT REF.	7. AMOUNT OF FEE ABOVE TOTAL x \$  8. IF ABOVE FEE IS M INSUFFICIENCY TO UNDER ORDER NO dup. sheet not required  10. Total number of pacover sheet, attachme	ENCLOSED: (Code 5) \$40 = \$40  MISSING OR INADEQUA DEPOSIT ACCOUNT N 030954 CLIENT NO.  ages including this ents and document r sheet)	ATE CHARGE NUMBER: 03-3975 0281512 MATTER NO.

Pillsbury Winthrop LLP

Intellectual Property Group 1100 New York Avenue, NW Ninth Floor Washington, DC 20005-3918 Formventions made outside USA executed with or after application
Atty. Dkt. PW 57168-US

Atty. Dkt. PW 57168-US-MRB/nh M# Client Ref.

USA Patent Appln. Sole or Joint

NAL

# ASSIGNMENT OF NONPROVISIONAL APPLICATION

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:									
INSERT		(1) Masami NIIMI				(2) Hideki ICHIKAWA			
NAME(S) O	F		sahiro KA				(4)		
INVENTOR	(S)	(5)						x box if continued on page 2	
the receipt and transfe			of which are	hereby ackn	owledged by th	ne undersigned who a	at th	e request of, hereby sell(s), assign(s)	
INSERT	NSERT DENSO CORPORATION								
NAME(S) O	F				ichi-pref., 448-	8661 Japan		-	
ASSIGNEE	(S)					• • • • • • • • • • • • • • • • • • • •			
& ADDRES	S(ES)					· · · · · · · · · · · · · · · · · · ·			
					for the United States and all resulting pate		J.S.C	. 100, in the invention and all applications including	
TITLE OF	ì	METH	IOD OF FA	BRICATING	BRUSHES				
<u>NOTE</u> → →		(A) 🗵	] even dat	lersigned exe	cuted an appli	cation for Letters Pate	ents	of the United States of America:	
(Complete		(B) <u></u>							
line A, B an	id/or C)	(C) ∟	] in U.S. A	ppin. No		file	ed _		
AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legals representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;  AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE's full protection and title in and to the invention hereby transferred.  NOTE   The undersigned hereby authorize(s) Pillsbury Winthrop LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.									
	INVEN	TORS	<b>A</b>			<b>DATE SIGNED</b>		WITNESSES	
1):			illociami	Trieme	,	Junes, 2001		Shinji Usani	
Name:	Masam	Masami NIIMI Zideki Dettawa			T		Kenji Ozishima		
2)	Hideki ICHIKAWA			June 11, 200	<u>_</u>	Kenji Ogistima			
Name: 3)	ніаекі	ICHIKA	.wa Maasliis	o Katoh	<del>_</del>	anne (		d/. : \ />= 1	
Name:	Masahi	iro KAT		o raion		Jule 6 20	<u>o</u> ]	Shinji 1/592;	
4)	masail		<b>U</b> .1						
Name:							_		
5)								·	
Name:						<del></del>			

BOX ASSIGNMENTS	\o. \				DO NOT USE I	FOR TRADEMARKS
- (4)-	FEB 1 5 2007 5	RECORDATION FO	RM COVER SH	IEET		
TO THE ASSISTANT C	AMICCIONER SE	DATENTO AND TRA	NO & PATENTO	UNLT		
SIR: PLEASE RECORD	THE ATTACHED OF	RIGINAL DOCUMEN	ADEINANNS. ATS OR COPY	THERE	OF	
1. NAME OF CONVEYI			110 011 001 .	1116176	<u> </u>	
Tadatoshi ASADA	10 1 /11/1 (120) (1.00	)(0110110(0 <sub>1)</sub> ,	2.			
3.			4.			
5.			6.			
7.			8.			
ADDITIONAL NAME(S)	OF CONVEYING PAR	RTY(IES) ATTACHE		]NO		
		, ,	<del>-</del>	-		,
2. PARTY(IES) (ASSIGN		INTEREST:	<u> </u>			
NAME: DENSO CORPO	PRATION		<del></del>			
ADDRESS: 1-1, Showa-	cho, Kariya-city, Aich	i-pref., 448-8661, Ja	apan			
ADDITIONAL MANE(C)	4 ADDDECC/EC) AT	TACUEDO ENCO	Muo			
ADDITIONAL NAME(S)			MNO			
3. NATURE OF CONVE				A - 2ia a		
document)	y one document for re	cordationmultiple	copies of same	Assigni	ment signed by differe	ent inventors is one
SASSIGNMENT OF	F ⊠WHOLE	PART INTER	огот Г	EVEC	DATE: Into 2 2004	
		LE/PHOTOCOPY	KESI	EXEC.	DATE: July 2, 2001	
☐CHANGE OF NAI		D TRANSLATION				
			L		<del>`</del>	
EXECUTION DATE(S)			MAZITU- /NOTE- I	E DATE	C ON DECLADATION	AL AND
ASSIGNMENT DIFFER			.WITH. (NOTE. 1	PUATE	29 ON DECLARATION	N AND
4.5 APPL. NO.(S) OR P.			CUEET/C) attacl	had2 [	YES NO	
A PAT APP NO (S)		1# INVENTOR	B. PATENT N		M# A SONO	1# INVENTOR
series code/serial no	THE COME COME SECTION AND AND ADDRESS.	if not in item 1				if not in item 1
NEW APPLICATION	0282680	II live III begins i	*** ** * * * = 4, * *. *	Wind drag by a	The section of the section of the section	II HOLIII ILEIII I
5. Name & Address of I	<del></del>	spondence	6. NUMBER	INVOL	VFD·	<del></del>
Concerning Docume		portuonoc	1		SO = TOTAL	<u>1</u>
Pillsbury Winthrop LLF			7. AMOUNT OF FEE ENCLOSED: (Code 581) ABOVE TOTAL x \$40 = \$40			
Intellectual Property G			ABOVE TO	)TAL x \$	640 = \$40	
1600 Tysons Boulevard McLean, VA 22102						
5.5 ATTY DKT:			9 IE ABOVE E	EE IS N	MISSING OR INADEQUA	ATE CHARGE
J.JATIT DKT.					DEPOSIT ACCOUNT N	
P 0282680	i 57174	I-US-SuS/nh	UNDER ORDE		030954	0282680
MATTER NO.		ENT REF.	dup. sheet not re		CLIENT NO.	MATTER NO.
					05.577.770.	MATIENTO.
9.						
J.		ţ	40 Total avent		including Abia	<del></del>
			ages including this			
1/101	Drue				ents and document	2
7000	2		(do not file dup	). Cover	sneet)	<u> </u>
	Signature					
Attorney: Paul T. Bow	<i>i</i> en			. 7 00		
Reg. No. 38009	751 (700) 6			st 7, 20		
Atty/Sec: PTB/tel	TEL: (703) 9	305-2020	FAX:	(703) 9	05-2500	

TEL: (703) 905-2020 FAX: (703) 905-2500 FILE WITH PTO RETURN RECEIPT (PAT-103A)



Pillsbury Winthrop LLP

Intellectual Property Group 1100 New York Avenue, NW Ninth Floor

Washington, DC 20005-3918

USA Patent Appln. Sole or Joint

For Inventions made outside USA					
executed with or after application					
Atty. Dkt. PW 57174-US- SuS/nh					
	SuS/nh				
M#	Client Ref				

NONPROVISIONAL

# ASSIGNMENT OF NONPROVISIONAL APPLICATION

NONPROVISIONAL

•	<u> </u>	OTIOIOINAL	. ALL LIOATION				
li the undersigned, to	n consideration of the sum of Ten Do wit:	ollars (\$10.00) a	and other good and va	lluable consideration paid to each of			
INSERT	(1) Tadatoshi ASADA	<del> </del>	(2)				
NAME(S) OF	(3)		(4)				
INVENTOR(S)	(5)			x box if continued on page 2			
	,	<del></del>		TX DOX II COllultued on page 2			
the receipt and suff and transfer(s) unto	iciency of which are hereby acknowl o:	edged by the ur	ndersigned who at th	e request of, hereby sell(s), assign(s)			
INSERT	DENSO CORPORATION						
NAME(S) OF		6 440 000		· · · · · · · · · · · · · · · · · · ·			
ASSIGNEE(S)	1-1, Showa-cho, Kariya-city, Aichi	-pret., 448-866	1 Japan				
		<del>_</del>		· · · · · · · · · · · · · · · · · · ·			
& ADDRESS(ES)				· · · · · · · · · · · · · · · · · · ·			
(hereinafter designated "As any and all divisions, contin	SSIGNEE") the entire right, title and interest for th nuations, substitutes, and reissues thereof; and al	e United States of Arr I resulting patents, kn	nerica as defined in 35 U.S.C. own as	100, in the invention and all applications including			
TITLE OF INVENTION	VOLTAGE REGULATOR OF VEI	HICLE AC GEN	ERATOR				
	for which the undersigned execute	∍d an applicatio	n for Letters Patents	of the United States of America:			
NOTE → → (Complete	(A) 🔀 even date herewith						
•	(B)  on	<del></del>					
line A, B and/or C)	(C) in U.S. Appln. No.		filed _				
hereinafter act on behalf of AN essential by ASSIGNEE to	rest as ASSIGNEE, its successors, assigns and lift said ASSIGNEE; If the undersigned hereby agree(s) to testify and ASSIGNEE'S full protection and title in and to the eundersigned hereby authorize(s) Pillsbury Wintlift	egals representatives  execute any papers invention hereby tran	; the undersigned agree(s) th for ASSIGNEE, its successor isferred	s, assigns and legal representatives, deemed			
INVENT	rops	,	ATE CICNED	MITHEOGO			
1): Tad	datoshi asada July 2 200/ Okranli ulah da						
	shi ASADA	<u>\u_\u</u>	My 2, 200/	- perospi ushida			
2)			V	<b>'</b>			
Name:			<del></del>				
	·						
3)							
Name:				. —			
4)							
Name:							
5)							

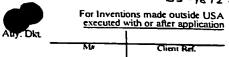
Name:

BOX ASSIGNMENTS/			OO NOT USE FO	OR TRADEMARKS					
\~	1 5 2002 E RECORDATION FO	NS & PATENTS ONLY							
TO THE ASSISTANT COMM	ISSIONER OF PATENTS AND TRA	ADEMARKS:		0.222					
	ARTY(IES) (ASSIGNORS(S)):	VIS OR COPT THEREO							
1. Naoto IWATA		2. Masayoshi FUJITA	Marie Marie (194	12 mily 1 mil 1 m					
3. Masahiko NATUME		4. Yoshiaki MIZUNO							
5. Nobuhiko NAGAI 7. Kunihiro KODAMA		6. Mitsutoshi MIYAZAK		*					
	CONVEYING PARTY(IES) ATTACH	│ 8. Toshiji KONDOU ED? □YES ⊠NO							
	2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:								
NAME: Denso Corporation	S <sub>H</sub>	<del></del>							
ADDRESS: 1-1, Showa-cho,	Kariya-city, Aichi-pref. 448-0029 JA	PAN							
ADDITIONAL NAME(S) & AD	DDRESS(ES) ATTACHED? YES	i ⊠no		1					
3. NATURE OF CONVEYAR	ICE (DOCUMENT):								
(Submit herewith only one	e document for recordation—multiple	e copies of same Assignm	nent signed by differer	nt inventors is one					
document)  ☑ASSIGNMENT OF		DECT EVEC F	NATE: 07 and 00 May	4000					
ORIGINAL		RESI EXEC. L	OATE: 27 and 28 May	1998					
CHANGE OF NAME	VERIFIED TRANSLATION								
□ SECURITY □ MERGI									
ASSIGNMENT DIFFER SEE	HE DECLARATION IF FILED HERI	EWITH: ( <u>NOTE</u> : IF DATE:	S ON DECLARATION	IAND					
	IO.(S). OTHERS ON ADDITIONAL	SHEET(S) attached2	YES NO						
	1st INVENTOR		M# ZEE	1# INVENTOR					
series code/serial no	if not in item 1			if not in item 1					
	1099								
Name & Address of Party Concerning Document St	nould be Mailed:	6. NUMBER INVOLV		<u>1</u>					
Pillsbury Winthrop LLP		7. AMOUNT OF FEE ENCLOSED: (Code 581)							
Intellectual Property Group	)	ABOVE TOTAL x \$40 = \$40							
1600 Tysons Boulevard		1							
McLean, VA 22102									
5.5ATTY DKT:		8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE							
P 281099	LI2 0942 VIZ B		DEPOSIT ACCOUNT I						
MATTER NO.	U3-9812-YK-B CLIENT REF.	UNDER ORDER NO dup. sheet not required	60388 CLIENT NO.	281099 MATTER NO.					
WEATER TO.	CLIENT REF.	dap. Sheet not required	CLIENT NO.	MATTER NO.					
9.									
		10. Total number of pa	ages including this						
010	B M	cover sheet, attachments and document 3							
No.	octurn 2	(do not file dup. Cover	sheet)						
Attorney: Kenneth M. Fag	nature O								
Reg. No. 37,615	···	 Date: July 13, 2001							
Atty/Sec: KMF/mll	TEL: (703) 905-2066	FAX: (703) 9		<del> </del>					

Please return signed/recorded to: Cushman Darby & Cushman Intellectual Property Group of Piltsbury Madison & Sutro LLP Ninth Floor, East Tower 1100 New York Avenue, N.W. Washington, D.C. 20005-3918



#### USA Patent Appln. Sole or Joint



NONPROVISIONAL

#### ASSIGNMENT OF NONPROVISIONAL APPLICATION

each of the unde	In consideration of the sum of Ten Dollar ersigned, to wit:	rs (\$10.00) and other go	od and valuable co	onsideration paid to
INSERT	(1) Naoto IWATA	(4)	Yoshiaki MIZU	NO
NAME(S) OF	(2) Masayoshi FUJITA	(5)	Nobuhiko NAGA	 T
INVENTOR(S)	(3) Masahiko NATUME		if continued on p	
the receipt and s assign(s) and tra	sufficiency of which are hereby acknowled ansfer(s) unto:	lged by the undersigned	who at the reques	et of, hereby sell(s),
INSERT -	DENSO CORPORATION			
NAME(S) OF ASSIGNEE(S) & ADDRESS(ES)	of 1-1, Showa-cho, Kariya	a-city, Aichi-pre	f. 448-0029 J	apan
U.S.C. 100, in tr	ignated "ASSIGNEE") the entire right, title ne invention and all applications including resulting patents, known as	e and interest for the Un any and all divisions, co	ited States of Ame ontinuations, subst	rica as defined in 35 itutes, and reissues
TITLE OF INVENTION	IMPROVED METHOD FOR MACHI	NING SLOTS IN MOI	DING DIE	
E V E VIIO V	for which the undersigned executed an			
NOTE → → (Complete line A, B and/or C)	(A) X even date herewith (B) X on May 27 and 28, (C) in U.S. Appln. No. /	filed	nited States Com-	
hereinafter act of successors, asstitle in and to the NOTE	AND the undersigned hereby authorized is to issue said Letters Patent to the said Alas representatives; the undersigned agreen behalf of said ASSIGNEE; AND the undersigned hereby agree(s) to signs and legal representatives, deemed also invention hereby transferred.  The undersigned hereby authorize(s) Con & Sutro, of the above address to insert this document.	ASSIGNEE, for its intere ee(s) that the attomey of o testify and execute an essential by ASSIGNEE	est as ASSIGNEE, record in said app y papers for ASSIGNEE'S to ASSIGNEE'S to ASSIGNEE'S to page the said appears to the said and the said appears and the said appears are the said appears and the said appears are said appears are said appears are said appears are said appears and the said appears are s	its successors, blication shall  SNEE, its full protection and
	INVENTOR(S)	DATE SIGNED	WITNES	SSE <b>S</b>
1) Name: Name:	note-Lwata	27-May-98	Junichi	Qio.
2)	Masoypshi tujita asayoshi Fujita	28-May-98	<u>Keiji</u>	Sahai
3) <u>//</u> Name: <u>Ma</u>	rasahiko hatume	28-may-98	<u>Keiji</u>	Sakai
4)	Oshiaki Mizuno	28-May-98	Junichi	lio
5) <u> </u>	obuhiko Nagai	27-May-98	Yoshita	ka Kuroda
	AL INVENTORS, check box X and con	tinue on page 2.	v	



### LISTING OF ADDITIONAL INVENTORS

INSERT NAME(S) OF INVENTOR(S)

(6)	Mitsutoshi MIYAZAKI	(11)
(7)	Kunihiro KODAMA	(12)
<u> </u>	Toshiji KONDOU	(13)
(8) Toshiji KONDOU (9)		(14)
(10)		(15)

## SIGNATURES OF ADDITIONAL INVENTORS/WITNESSES/DATES SIGNED

	INVENTOR(S)	DATE SIGNED	WITNESSES
6)	Initiatioshi miyazaki Mitsutoshi Miyazaki	27- may-98	Idisashi Kayano
Name: 7) Name:	Kunihiro Kodama  Kunihiro Kodama	27-May-98	Hisashi Kayano Hisashi Kayano Keiji Sahai
8) Name:	Joshiji Kondou Toshiji Kondou	28-May 78	nege to the
9) Name:			
10) Name:			
11) Name:			
12) Name:			
13) Name:			
14) Name:			
15)			

BOX ASSIGNMENTS O					DO NOT USE	FOR TRADEMARKS		
m	6/FA	RECORDATION FO	INO & PATEN	113 UNL1,				
TO THE ASSISTANT COMMI	ISSIONER OF I	PATENTS AND TRA	ADEMARKS:			<u>, , , , , , , , , , , , , , , , , , , </u>		
SIR: PLEASE RECORD THE			ITS OR COP			•		
1. NAME OF CONVEYING PA	ARTY(IES) (ASS	SIGNORS(S)):	1 .	•				
1. Shigenobu NAKAMURA			2.		والمراجع والمعالية المراجع والمالية			
3.		1	4.		and the second s			
5.		!	6.		•			
7.   8. ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? □YES ⊠NO								
ADDITIONAL NAIVIE(3) OF C	DINVETINGFA	KIT(IES) KITAUNE	בוו בי	ZINU				
2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:								
NAME: DENSO CORPORATION	ON							
ADDRESS: 1-1, Showa-cho, k	(ariya-city, Aich	ıi-pref., 448-8661 JA	PAN			-		
ADDITIONAL NAME(S) & ADD	DRESS(ES) AT	TACHED? TYES	⊠NO					
3. NATURE OF CONVEYANG	CE (DOCUMEN	<u>VT):</u>						
(Submit herewith only one	document for re	ecordation—multiple	copies of sa	me Assigr	nment signed by differe	ent inventors is one		
document)								
	<b>⊠</b> WHOLE	PART INTER	REST	EXEC.	DATE: August 30, 20	01		
⊠ORIGINAL		LE/PHOTOCOPY	•					
CHANGE OF NAME		D TRANSLATION			· · · · · · · · · · · · · · · · · · ·			
SECURITYMERGEF								
EXECUTION DATE(S) ON TH			WITH: ( <u>NOT</u>	E: IF DATI	ES ON DECLARATION	N AND		
ASSIGNMENT DIFFER SEE A				- 10 [				
4.5 APPL. NO.(S) OR PAT NO	).(S). UTHERS				_YES ⊠NO	Consideration and the second		
series code/serial no		1# INVENTOR if not in item 1	B. PATEN	NO(S)	<b>M#</b>	1# INVENTOR If not in item 1		
09/873,410 2812								
5. Name & Address of Party to				ER INVOL				
Concerning Document Sho	Juid be Mailed:	!	APPLN	IS <u>1</u> + PA	$TS \underline{0} = TOTAL =$	<u> </u>		
Pillsbury Winthrop LLP		!	7. AMOUN	T OF FEE	ENCLOSED: (Code 5	581) .		
Intellectual Property Group		!	ABOVE TOTAL x \$40 = \$40					
1600 Tysons BoulevardMcLea	ın, VA 22102	!						
Tel: (703) 905-2000								
5.5ATTY DKT:		!	8. IF ABOV	E FEE IS	MISSING OR INADEQUA	ATE CHARGE		
P 281269	I senar	4/1/10 CuC ph			O DEPOSIT ACCOUNT I			
MATTER NO.		1/US-SuS-nh IENT REF.	UNDER OF dup, sheet no			281269		
			<u></u>		CLIENT NO.	MATTER NO.		
To the best of my knowledge the original document.	je and beliet, th	ie foregoing informati	tion is true ar	nd correct	and any attached copy	y is a true copy of		
the original document.								
			40 T-4-1			- <u>1</u>		
T/ 11/	10. Total number of pages including this cover sheet, attachments and document 2							
Kn & Do	(do not file			2				
Signal	4		(do not like	Jup. Cove	r sneet)			
Signat Attorney: Paul T. Bowen	.ure				• .			
Attorney: Paul T. Bowen Reg. No. 38009			Detail Or		· •	:		
Atty/Sec: PTB/vaw	TEL: (703) 9	מה אחבר אחבר		tober 1, 2 X: (703) 9				
Allyrocc. I Ibrean	1 LL. (100) 3	JUJ-2020	T F	v. (103) t	JUD-20UU			

TEL: (703) 905-2020 FILE WITH PTO RETURN RECEIPT (PAT-103A)

FAX: (703) 905-2500

Pillsbury Winthrop LLP

1600 Tysons Boulevard McLean, Virginia 22102

or Inventions made outside USA executed with or after application 56021-US-Atty. Dkt. PW

SuS/nh

M#

Client Ref.

### **NONPROVISIONAL**

### **ASSIGNMENT OF NONPROVISIONAL APPLICATION**

USA Patent Appln.

Sole or Joint

the undersigned, to	n consideration of the sum of Ten Dollars (\$10.0 wit:	0) and other good and valu	uable consideration paid to each of				
INSERT	(1) Shigenobu NAKAMURA	(2)					
NAME(S) OF	(3)	(4)					
INVENTOR(S)	(5)		x box if continued on page 2				
the receipt and suff and transfer(s) unto	iciency of which are hereby acknowledged by the						
INSERT	DENSO CORPORATION						
NAME(S) OF	1-1, Showa-cho, Kariya-city, Aichi-pref., 448-	8661 Japan					
ASSIGNEE(S)							
& ADDRESS(ES)			<del></del>				
		<u> </u>					
(hereinafter designated *A any and all divisions, conti	SSIGNEE*) the entire right, title and interest for the United States nuations, substitutes, and reissues thereof, and all resulting pater	of America as defined in 35 U.S.C. 1 nts, known as	00, in the invention and all applications including				
INVENTION	BRUSHLESS AC GENERATOR						
NOTE → → (Complete	for which the undersigned executed an applic  (A)  even date herewith  (B)  on June 5, 2001	cation for Letters Patents of	f the United States of America:				
line A, B and/or C)	(C) in U.S. Appln. No.	filed					
hereinafter act on behalf of A essential by ASSIGNEE to	ND the undersigned hereby agree(s) to testify and execute any p ASSIGNEE'S full protection and title in and to the invention here he undersigned hereby authorize(s) Pillsbury Winthrop LLP of the	tatives; the undersigned agree(s) that apers for ASSIGNEE, its successors, by transferred	the attorney of record in said application shall assigns and legal representatives, deemed				
INVEN	TORS .	DATE SIGNED	WITNESSES				
1):	Shigerobu Nahamura august 30, 2001 Hiroshi Ishida						
	nobu NAKAMURA		790000000000000000000000000000000000000				
2)							
Name:							
3)	<u> </u>						
Name:		<del></del>					
4)							
Name:							
5)							
Name:							